

## CLAIMS

1. A node selecting method characterized by comprising:

5           a first step of reserving a communication band on a route by seeking a communication route from a source node to a destination node through intermediate nodes by use of an AODV algorithm in a mobile ad-hoc network;

10           a second step of storing, in the intermediate nodes, information on communication bandwidth of a link route connecting each pair of mutually neighboring intermediate nodes on the communication route; and

15           a third step of collecting information on available communication bandwidth of the communication route and transmitting it to the source node, when a route reply is made from the destination node on the communication route toward the source node.

20           2. The node selecting method according to claim 1, characterized by further comprising:

25           a fourth step in which when a route selection request is made from the source node or another source node to the intermediate node, with a bandwidth being designated, and when the available communication bandwidth of the communication route is larger than the designated bandwidth, the intermediate node makes a reply for permitting transmission with the designated bandwidth to the source

node as a proxy, and

which makes a confirmation reply for guaranteeing  
the transmission with the designated bandwidth to the  
intermediate nodes on the communication route toward the  
5 destination node.

3. The node selecting method according to claim 2,  
characterized by further comprising:

10 a five step in which each intermediate node on the  
communication route updates the communication bandwidth of  
the link route as much as the designated bandwidth, when  
the confirmation reply has reached the destination node.